

Superseded by 3279-3

DPM 3279-3

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

13 Sept 84

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Dexter Corporation, Hysol Division		EMERGENCY TELEPHONE NO. 415/687-4201
ADDRESS (Number, Street, City, State, and ZIP Code) 2850 Willow Pass Road (P.O. Box 312), Pittsburg, California 94565		
CHEMICAL NAME AND SYNONYMS TWO-PART ALIPHATIC AMINE CURED EPOXY SYSTEM/ Modified Bisphenol A Epoxide		TRADE NAME AND SYNONYMS EA 9309 Part A
CHEMICAL FAMILY		FORMULA

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE	96		METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES Filler	2		OTHERS		
OTHERS Asbestos*	2				

* Asbestos (CAS# 68526-78-3) is the only constituent in OSHA's 29 CFR 1910 subpart Z Toxic and Hazardous Substance List.

If it is necessary to sand the cured adhesive "wet sanding" is recommended to eliminate airborne asbestos. For "dry sanding" follow recommendations in Section VIII.

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	Decomposes before boiling	SPECIFIC GRAVITY (H ₂ O=1)	1.14
VAPOR PRESSURE (mm Hg.)	N.A.	PERCENT, VOLATILE BY VOLUME (%)	>1%
VAPOR DENSITY (AIR=1)	N.A.	EVAPORATION RATE (_____=1)	N.A.
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Pearlescent paste with pungent odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	>200°F TCC	FLAMMABLE LIMITS	LeI	UeI
EXTINGUISHING MEDIA	Water spray, chemical foam, dry chemicals, CO ₂			
SPECIAL FIRE FIGHTING PROCEDURES				
Wear self-contained breathing apparatus when fighting fires in confined areas				
UNUSUAL FIRE AND EXPLOSION HAZARDS				
Dense smoke may be liberated				

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE Not established. ANSI Class 2

EFFECTS OF OVEREXPOSURE

May cause skin irritation and possible allergic reactions. Prolonged and repeated contact may cause sensitization which will result in allergic reactions.

EMERGENCY AND FIRST AID PROCEDURES

Flush skin and eye contact with plenty of water. Wash skin thoroughly with soap and water, rubbing alcohol or hand cleaner. Do not use solvents. Remove soiled clothing and wash before reuse. If irritation persists or increases, see physician

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents, strong Lewis or mineral acids.			
HAZARDOUS DECOMPOSITION PRODUCTS CO, NOx, aldehydes, acids and undetermined organics.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID
	WILL NOT OCCUR		Avoid mixing resin and curing agent in batches greater than one pound total. Do not heat mixed adhesive above 75°F unless curing surfaces to be bonded. Failure to observe cautions may result in excessive heat build-up with the release of toxic gasses.

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Wear protective clothing, gloves and safety glasses.	
Scrape up and transfer to metal container. Wipe up remaining residue with solvents, observing solvent flammability cautions, or use detergent.	
WASTE DISPOSAL METHOD	
Dispose of as hazardous waste according to D.O.T. hazard class. If not regulated by D.O.T., dispose of as ORM-E. Disposal method can be land burial or chemical incineration as regulated by all governmental agencies.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)		
The use of a NIOSH approved mask for toxic dusts is required if cured product is to		
VENTILATION	LOCAL EXHAUST	OTHER
	MECHANICAL (General)	
Required when sanding cured product.		be dry sanded, abraded, etc.
Recommended		
PROTECTIVE GLOVES		EYE PROTECTION
Plastic, latex, or similar		Safety glasses
OTHER PROTECTIVE EQUIPMENT		
As needed to protect skin and clothing.		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep product cool in accordance with label instructions.	
OTHER PRECAUTIONS	Follow recommended curing schedule.

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SECTION I

MANUFACTURER'S NAME

Dexter Corporation, Hysol Division

EMERGENCY TELEPHONE NO.

415/687-4201

ADDRESS (Number, Street, City, State, and ZIP Code)

2850 Willow Pass Road (P.O. Box 312), Pittsburg, California 94565

CHEMICAL NAME AND SYNONYMS

TRADE NAME AND SYNONYMS

EA 9309 Part B

CHEMICAL FAMILY

FORMULA

SECTION II - INGREDIENTS

	%
Alkylamines	98
Coupling Agent	02

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	
VAPOR PRESSURE (mm Hg.)		PERCENT. VOLATILE BY VOLUME (%)	
VAPOR DENSITY (AIR=1)		EVAPORATION RATE (_____ =1)	
SOLUBILITY IN WATER			
APPEARANCE AND ODOR	Transparent red liquid with ammonical odor		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	200°F	FLAMMABLE LIMITS	Loi	Uoi
EXTINGUISHING MEDIA	Water spray or fog, foam, CO ₂ , dry chemical extinguishers.			
SPECIAL FIRE FIGHTING PROCEDURES	Wear self-contained breathing apparatus when fighting fires in confined locations.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Dense smoke and toxic gases may be liberated.			

SECTION V - HEALTH HAZARD DATA

Corrosive to skin and eyes. Can cause chemical burns to skin and severe chemical burns to eyes. Vapors irritating and may cause chest discomfort and bronchitis symptoms. Moderately toxic by ingestion. Give water or milk if swallowed, do not induce vomiting. Get medical help.
 Skin contact - flush with water. Then wash thoroughly with soap and water.
 Eye contact - flush with water immediately 15 minutes and get medical help.
 ANSI Class 4

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid) Strong oxidizing agents, strong Lewis or mineral acids.			
HAZARDOUS DECOMPOSITION PRODUCTS CO, NOx, aldehydes, acids and undetermined organics.			
HAZARDOUS POLYMERIZATION	MAY OCCUR	X	CONDITIONS TO AVOID Avoid mixing resin and curing agent in batches greater than one pound total. Do not heat mixed adhesive above 75°F unless curing surfaces to be bonded. Failure to observe cautions may result in excessive heat build-up with the release of toxic gasses.
	WILL NOT OCCUR		

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
Wear protective clothing, gloves and safety glasses. Cover with absorbent material; then Scrape up and transfer to metal container. Wipe up remaining residue with solvents, observing solvent flammability cautions, or use detergent.	
WASTE DISPOSAL METHOD	
Dispose of as hazardous waste according to D.O.T. hazard class. If not regulated by D.O.T., dispose of as ORM-E. Disposal method can be land burial or chemical incineration as regulated by all governmental agencies.	

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Not required with good industrial ventilation.		
VENTILATION	LOCAL EXHAUST Recommended	SPECIAL
	MECHANICAL (General) Recommended	OTHER
PROTECTIVE GLOVES Impervious plastic or rubber		EYE PROTECTION Safety glasses or goggles
OTHER PROTECTIVE EQUIPMENT As needed to protect skin and clothing		

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
Keep product cool in accordance with label instructions.	
OTHER PRECAUTIONS Follow recommended curing schedule.	